Filed on 2/8/07

Sheet 1 of 7

LIST OF REFERENCES CITED BY APPLICATE (Use several sheets if necessary)

ATTY. DOCKET NO.	APPLICATION NO.
5914-099-999	10/652,928
APPLICANT	
Chiaur et al.	
FILING DATE	ART UNIT
	1.000

A01 A02 A03 A04	Document Number 4,873,191 5,093,246 5,519,003 5,981,702	Mm/dd/yyyy 10/ 0/1989 03/03/1992 05/21/1996 11/9/1999	of Cited Document Wagner et al. Cech et al. Mochly-Rosen et al.	Figures Appear	
À03	5,519,003	05/21/1996			
			Mochly-Rosen et al.		
A04	5,981,702	11/9/1999			
1	<u> </u>	I .	Zhang et al.		
		PATE	ENT DOCUMENTS		
	Foreign Patent Document Country Code, Number, Kind Code (if known)	Date Mm/dd/yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
B01	WO 89/10134	04/25/1989	The Regents of the University of California		
B02	WO 95/021252	08/10/1995	The Board of Trustees of the Leland Stanford Junior University		Γ
В03	WO 97/011176	03/27/1997	Cold Spring Harbor Laboratory et al.		
B04	WO 99/031252	06/24/1999	Incyte Pharmaceuticals, Inc.		
B05	WO 99/018989	04/22/1999	Baylor College of Medicine		
B06	WO 99/038969	08/05/1999	Institut National dela Sante Et de la Recherche Medicale		
B07	WO 00/022110	04/20/2000	President and Fellows of Harvard College		
B08	WO 00/034447	06/15/2000	Signal Pharmaceuticals, Inc. et al.		
					Т
C01					
B1 B	002 003 004 005 006 007	Document Country Code, Number, Kind Code (if known) 101 WO 89/10134 102 WO 95/021252 103 WO 97/011176 104 WO 99/031252 105 WO 99/038969 107 WO 00/022110 108 WO 00/034447 NOI Include name of the authorserial, symposium, catalog 101 AUFFRAY et al., 1994, "SKP1 108 BAI et al., 1996, "SKP1 109 BAI et al., 1996, "SKP1	Document Country Code, Number, Kind Code (if known)	Document Country Code, Number, Kind Code (if known) WO 89/10134 O4/25/1989 Date Mm/dd/yyyy O3 WO 95/021252 O8/10/1995 The Regents of the University of California The Board of Trustees of the Leland Stanford Junior University Cold Spring Harbor Laboratory et al. WO 99/031252 O6/24/1999 Incyte Pharmaceuticals, Inc. WO 99/038969 O8/05/1999 Institut National dela Sante Et de la Recherche Medicale WO 00/022110 O4/20/2000 President and Fellows of Harvard College WO 00/034447 O6/15/2000 Signal Pharmaceuticals, Inc. et al. NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), (when appropriate), title of the item serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and AUFFRAY et al., 1994, EST Database Accession No. Z43904 BAI et al., 1996, "SKP1 connects cell cycle regulators to the ubiquitin proteolysi	Document Country Code, Number, Kind Code (if known) Date (mm/dd/yyyy) Name of Patentee or Applicant (hown) Od/25/1989 Od/25/1989 The Regents of the University of California California California Od/25/1989 Od/25/1989 Od/25/1989 Od/25/1989 Od/25/1989 Od/25/1989 Od/25/1989 Od/25/1995 Od/25/1995 Od/25/1997 Cold Spring Harbor Laboratory et al. Od/25/1999 Od/25/1999

EXAMILIER	EXAMIN	IER
-----------	--------	-----

Sheet 2 of 7

	ATTY. DOCKET NO.	APPLICATION NO.
SIPE	5914-099-999	10/652,928
LIST OF REFERENCES CITED BY APPLICANT 🔪 📗	APPLICANT	
(Use several sheets if necessary) FFR 0 8 7007	Chiaur et al.	
	FILING DATE	ART UNIT
A CONTRACTOR OF THE PROPERTY O	August 28, 2003	1656

			U.S. PA	TENT DOCUMENTS					
*Examiner Initials		Document Number	Date Mm/dd/yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
1215	C04	CENCIARELLI et al., 1	1999, "Identifica	tion of a family of human F-box proteins,	"Curr. Biol. 9:1177-1179				
	C05	CHIAUR et al., 2000, " human tumors," Cytoge		es encoding F-box proteins: chromosome 88(3-4):255-8	mapping and analysis in				
	C06	CIECHANOVER, 1994	, "The ubiquitin	-proteasome proteolytic pathway," Cell 7	9:13-21				
	C07	CIECHANOVER, 1998 17:7151	3, "The ubiquiting	-proteasome pathway: on protein death ar	nd cell life," EMBO J.				
	C08	CAMERON, 1997, "Recent advances in transgenic technology," Mol. Biotechnol. 77:253-65							
	C09	DESHAIES, 1999, "SCF and Cullin/Ring H2-based ubiquitin ligases, " Ann. Rev. Cell Dev. Biol. 15:435-67							
	C10	ESPOSITO et al., 1997, "Prognostic role of the cell cycle inhibitor p27 in non-small cell lung cancer," Cancer Research 57:3381-3385							
	CII	GONEN et al., 1999, "Identification of the ubiquitin-carrier proteins, E2s, involved in signal-induced degradation of IκBα," J. Biol. Chem. 274:14823-14830							
	C12	HAMMER et al., 1990, "Spontaneous inflammatory disease in transgenic rats expressing HLA-B27 and human beta 2m: an animal model of HLA-B27-associated human disorders," Cell. 63(5):1099-112							
	C13	HAWKINS et al., 1997, Genbank Accession No. AC001226							
	C14	HOCHSTRASSER, 1995, "Ubiquitin, proteasomes, and the regulation of intracellular protein degradation," Curr. Op. Cell Biol. 7:215-223							
	C15	HUNTER et al., 1994, "Cyclins and cancer. II: Cyclin D and CDK inhibitors come of age," Cell 79:573							
	C16	JIANG et al., 1998, "Re repeat protein Slimb," N		Hedgehog and Wingless signalling pathwa 93-496	ays by the F-box/WD40-				
	C17	KAISER et al., 1998, "(inhibitory kinase Swe1,		-box protein Met30 are required for degra 2(16):2587-2597	dation of the Cdk-				
	C18	KEYOMARSI et al., 19	95, "Deregulati	on of cyclin E in breast cancer," Oncogen	e 11:941-950				
	C19	KIPREOS et al., 1996, family," Cell 85:829	"cul-1 is require	d for cell cycle exit in C. elegans and ider	ntifies a novel gene				
	C20	KLOCKARS et al., 200	00, Genbank Acc	cession No. AF126028					
	C21	KOCH et al., 1991, "SI proteins," Science 252:		ains: elements that control interactions of	cytoplasmic signaling				
1/	C22	KOEPP et al., 1999, "H 97:431-433	low the cyclin be	ecame a cyclin: regulated proteolysis in the	ne cell cycle, " Cell				
DIS	C23	LANDSCHULTZ et al. DNA binding proteins,'		cine zipper: a hypothetical structure comr 259-1764	non to a new class of				

EXAMINER (DATE CONSIDERED 4-15-07
PEYAMDIED. Initial if of an annidered whether or not give	vian in in an formance with MDCD (OD, Drew line through citation if not

Sheet 3 of 7

	ATTY. DOCKET NO.	APPLICATION NO.
SIPE	5914-099-999	10/652,928
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	APPLICANT	
	Chiaur et al.	
P. C.	FILING DATE	ART UNIT
The April of the A	August 28, 2003	1656

Examiner Initials		Document Number	Date Mm/dd/yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Wher Relevant Passages or Relevan Figures Appear				
DU	C24	98:2515-2520		x protein Skp2 in lymphomagenesis," Pr					
	C25	the stability of β-catenir	i," Oncogene 18						
	C26	LLOYD, 1999, "p27 ^{kip1} : a multifunctional cyclin-dependent kinase inhibitor with prognostic significance in human cancers," Am. J. Pathol. 154:313-323							
	C27	LODA et al., 1997, "Inc p27 in aggressive colore	reased proteaso	me-dependent degradation of the cyclin- ," Nature Medicine 3:231-234	dependent kinase inhibitor				
	C28	LYAPINA, 1998, "Hun SKP1 and an F-box pro	nan CUL1 forms tein," Proc. Natl	an evolutionarily conserved ubiquitin li . Acad. Sci. USA 95:7451-7476	gase complex (SCF) with				
	C29		MARGOTTIN et al., 1998, "A novel human WD protein, h-beta TrCp, that interacts with HIV-1 Vpu connects CD4 to the ER degradation pathway through an F-box motif," Molecular Cell 1:565-574						
	C30	MARIKAWA et al., 1998, "β-TrCP is a negative regulator of Wnt/β-catenin signaling pathway and dorsal axis formation in Xenopus embryos," Mech. Dev. 77(1):75-80							
1.	C31	MONTAGNOLI et al., 1999, "Ubiquitination of p27 is regulated by Cdk-dependent phosphorylation and trimeric complex formation," Genes and Dev. 13:1181							
	C32	MULLINS et al., 1993, "Transgenesis in nonmurine species," Hypertension 22(4):630-3							
	C33	NEER et al., 1994, "The	e ancient regulat	ory-protein family of WD-repeat protein	s," Nature 371:297-300				
1	C34	OHTSUBO et al., 1995, "Human cyclin E, a nuclear protein essential for the G ₁ -to-S phase transition," Cell Biol. 15:2612-2624							
	C35	PAGANO et al., 1992, "Association of cdk2 kinase with the transcription factor E2F during S phase," Science 255:1144-1147							
	C36	PAGANO et al., 1992, 11(3):961-971	'Cyclin A is req	uired at two points in the human cell cyc	ele," EMBO J.:				
	C37	PAGANO et al., 1995, cyclin-dependent kinase	"Role of the ubic inhibitor p27,"	quitin-proteasome pathway in regulating Science 269:682-685	abundance of the				
	C38	PAGANO, 1993, "Regu Cell Bio. 121:101-111	lation of the cel	l cycle by the cdk2 protein kinase in cul	tured human fibroblasts," J.				
	C39	PAGANO, 1995, "From Spring-Verlag, pp. 217-		d antibody," in Cell Cycle: Materials an	d Methods, M. Pagano, ed.,				
/	C40	PAGANO, 1997, "Cell	cycle regulation	by the ubiquitin pathway," FASEB J. 1	1:1067-1075				
y	C41	PATTON et al., 1998, " hypothesis," Trends Ge		ontrol in ubiquitin-dependent proteolysi 43	s: don't Skp the F-box				
NIC	C42			the smoking gun," Science 275:1752-17	753				

EXAMINER OF	DATE CONSIDERED 4-16-07
*EXAMINER: Initial if reference considered, whether or not citation is in conformance and not considered. Include copy of this form with next con	

Sheet 4 of 7

	ATTY. DOCKET NO.	APPLICATION NO.	
	5914-099-999	10/652,928	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	APPLICANT Chiaur et al.		
,	FILING DATE August 28, 2003	ART UNIT	

			U.S. PA	TENT DOCUMENTS					
*Examiner Initials		Document Number	Date Mm/dd/yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
NJS	C43	PORTER et al., 1997, E	xpression of cel	H-cycle regulators p27 ^{KipT} and cyclin E, a cancer patients," Nature Medicine 3:222	lone and in combination,				
	C44	ROLFE et al., 1997, "Th	he ubiquitin-me	diated proteolytic pathway as a therapeut	ic area," J. Mol. Med. 75:5-				
	C45	edited by J.A. Parsons, t	pp. 1-7. Univers	the amino acids as components of a pept ity Park Press, Baltimore					
	C46	SEAMARK, 1994, "Progress and emerging problems in livestock transgenesis: a summary perspective," Reprod Fertil Dev. 6(5):653-7							
	C47	SHEAFF et al., 1997, "Cyclin E-CDK2 is a regulator of p27 ^{Kip1} ," Genes Dev. 11:1464-1478							
	C48	SHERR et al., 1995, "Inhibitors of mammalian G ₁ cyclin-dependent kinases.," Genes Dev. 9:1149-1163							
	C49	SHERR et al., 1999, "CDK inhibitors: positive and negative regulators of G ₁ -phase progression," Genes & Dev.13(12):1501-1512							
	C50	SINGH et al., 1998, "Loss or altered subcellular localization of p27 in Barrett's associated adenocarcinoma," Cancer Research 58:1730-1735							
	C51	SKOWYRA et al., 1997, "F-box proteins are receptors that recruit phosphorylated substrates to the SCP-ubiquitin-ligase complex," Cell 91:209-219							
	C52	SPATARO, 1998, "The ubiquitin-proteasome pathway in cancer," Br. J. Cancer 77:448-455							
	C53	TAN et al., 1997, "The cell cycle inhibitor p27 is an independent marker in small (T _{1a,b}) invasive breast carcinomas," Cancer Research 57:1259-1263							
	C54	THOMAS et al., 1998, "Downregulation of p27 is associated with development of colorectal adenocarcinoma metastases," Am. J. Pathol. 153:681-687							
	C55			nammalian F-box proteins," Curr. Biol. 9					
	C56	phosphorylated destruct Genes Dev. 13:270-283	tion motifs in lø 3	P-ubiquitin ligase complex associates spe Bα and β-catenin and stimulates IκBα ut	piquitination in vitro,"				
1	C57	AF129532 (Homo sapid [Online]. Accessed on	ens chromosom March 9, 2001.	er for Biotechnology Information) GenBa e 13 F-box protein Fbl3a (FBL3A) mRN Released from GenBank on October 31	A, partial cds) Database , 1999				
DIS	C58	(Mus musculus leucine Accessed on March 9, 2	rich repeat-con 2001. Released	er for Biotechnology Information) GenBa taining F-box protein FBL3a mRNA, pa from GenBank on December 6, 1999	rtial cds) Database [Online].				
	C59	YARON ct al., 1998, " 396:590-594	Identification of	Fthe receptor component of the IKBa ubi	quitin ligase," Nature				
1)JJ	C60	ZACHARIAE et al., 19 Genes Dev. 13:2039-58		d is destruction: cell division and the ana	phase-promoting complex,"				

Sheet 5 of 7

	SIPE	ATTY. DOCKET NO. 5914-099-999	APPLICATION NO. 10/652,928
LIST OF REFERENCES CITED BY APPLI (Use several sheets if necessary)	ICANT 4	APPLICANT Chiaur et al.	
·	FFR (8 1007	FILING DATE August 28, 2003	ART UNIT

*Examiner Initials		Document Number	Date Mm/dd/yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
DIS	C61	ZHANG et al., 1995, "p Cell 82:915-925	19Skp1 and p45	Skp2 are essential elements of the cyclin				
	C62	and mitotic division in	hydroxyurea-ai	of centrosome replication events from rrested Chinese hamster ovary cells,"	J. Cell Biol. 130(1):105-15			
	C63			p53 degradation," Biochim. Biophys.				
	C64	DAVIS et al., 2002, "Pseudosubstrate regulation of the SCF(beta-TrCP) ubiquitin ligase by hnRNP-U," Genes Dev. 16:439-51						
	C65	DONG et al., 1997, "Control of G1 in the developing Drosophila eye: rca1 regulates Cyclin A," Genes Dev. 11(1):94-105						
	C66	J. Biol. Chem. 277(43)):40697-702	some subunit interacting with ubiquiti				
	C67	FREED et al., 1999, "Components of an SCF ubiquitin ligase localize to the centrosome and regulate the centrosome duplication cycle," Genes Dev. 13:2242-57						
	C68	FUCHS et al., 1999, "HOS, a human homolog of Slimb, forms an SCF complex with Skp1 and Cullin1 and targets the phosphorylation-dependent degradation of IkappaB and beta-catenin," Oncogene 18:2039-46						
	C69	FUKUCHI et al., 2001, "Ligand-dependent degradation of Smad3 by a ubiquitin ligase complex of ROC1 and associated proteins," Mol. Biol. Cell. 12(5):1431-43						
	C70	FURUKAWA et al, 2000, "The CUL1 C-terminal sequence and ROC1 are required for efficient nuclear accumulation, NEDD8 modification, and ubiquitin ligase activity of CUL1," Mol. Cell. Biol. 20(21):8185-97						
	C71	the absence of a detec	table cell cycle,	lication continues in cycloheximide-tr " J. Cell. Biol. 110(6):2033-42				
	C72	Cell. Sci. 108:2599-60	08	n A and B1 degradation in non-transfo				
	C73	centrosomes and mito	tic spindle pole	n of human SCF(SKP2) subunit p19(S s," Exp. Cell. Res. 247:554-62				
	C74	HART et al., 1999, "T	he F-box proten the cell," Curr	in beta-TrCP associates with phosphor. Biol. 9:207-10				
	C75	ligase Skp1/Cul 1/F-b	ox protein FWI	nitin-dependent degradation of IkBa is D1," Proc. Natl. Acad. Sci. 96:3859-6	3			
$-\sqrt{}$	C76	Skp1 required for ubic	quitin-mediated	issection of the interactions among lk proteolysis of IkappaBalpha," J. Biol	l. Chem. 274: 29641-7			
1)11	C77	HSU et al., 2002, "E2 APCCdhl," Nat. Cell.		cumulation of hEmil regulates S phase	se citty by titilotting			

XAMINER S	DATE CONSIDERED	4-16-07

Sheet 6 of 7

	ATTY. DOCKET NO.	APPLICATION NO.
	5914-099-999	10/652,928
LIST OF REFERENCES CITED BY APPLICANT	APPLICANT	
(Use several sheets if necessary)	Chiaur et al.	
	FILING DATE	ART UNIT
	August 28, 2003	1656

_			U.S. PA	FENT DOCUMENTS				
*Examiner Initials		Document Number	Date Mm/dd/yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Wh Relevant Passages or Relev Figures Appear			
DUS	C79	KITAGAWA et al., 19 beta-catenin," EMBO		protein, FWD1, mediates ubiquitin-dep				
	C80	KOIKE et al., 2000, "N	Molecular cloni	ng and genomic structure of the betaTR hys. Res. Commun. 269:103-9	CP2 gene on			
	C81	KROLL et al., 1999, "box Protein h-TrCP," J		adation of IB by the Proteasome Require 274(12):7941-5	es Interaction with the F-			
	C82			tion relies on a phosphorylation-depend 1. Cell. Biol. 21(6):2192-202	lent interaction with the			
	C83	MARUYAMA et al., 2001, "Characterization of a mouse gene (Fbxw6) that encodes a homologue of Caenorhabditis elegans SEL-10," Genomics 78(3):214-22						
	C84	MATSUMOTO et al., duplication in mamma		dependent kinase 2 (Cdk2) is required fr. Biol. 9:429-32	or centrosome			
	C85	MERALDI et al., 1999, "Centrosome duplication in mammalian somatic cells requires E2F and Cdk2-cyclin A," Nat. Cell. Biol. 1:88-93						
	C86	NAKAYAMA et al., 2000, "Targeted disruption of Skp2 results in accumulation of cyclin E and p27(Kip1), polyploidy and centrosome overduplication," EMBO J. 19(9):2069-81						
	C87 OHTA et al., 1999, "ROCI, a homolog of APCI1, represents a family of cullin partners with an associated ubiquitin ligase activity," Mol. Cell. 3:535-41							
	C88	ORIAN et al., 2000, "SCF(beta)(-TrCP) ubiquitin ligase-mediated processing of NF-kappaB p105 requires phosphorylation of its C-terminus by IkappaB kinase," EMBO J. 19(11):2580-91						
	C89	OSAKA et al., 1998, "A new NEDD8-ligating system for cullin-4A," Genes Dev. 12:2263-8						
	C90	PETERS, 2002, "The a 9:931-43	anaphase-prom	oting complex: proteolysis in mitosis ar	nd beyond," Mol. Cell.			
	C91	PIVA et al., 2002, "In transformation," Mol.		ce with Skp1 function leads to genetic i 33:8375-87	nstability and neoplastic			
	C92	PODUST et al., 2000, by ubiquitination," Pro		ugation pathway is essential for proteol Sci 97(9):4579-84	ytic targeting of p27Kip1			
	C93	READ et al, 2000, "Ne of IkappaBalpha," Mo		on of cul-1 activates SCF(beta(TrCP))-(7):2326-33	dependent ubiquitination			
	C94	REIMANN et al., 200 anaphase promoting co	l, "Emil is a m omplex," Cell.	itotic regulator that interacts with Cdc2 105(5):645-55	0 and inhibits the			
	C95	REIMANN et al., 200 than Mad2 proteins," (ites the anaphase-promoting complex by 24):3278-85	y a different mechanism			
DJS	C96	REIMANN et al., 2002 416(6883):850-4	2, "Emil is requ	uired for cytostatic factor arrest in verte	brate eggs," Nature			

EXAMINER J	DATE CONSIDERED 4-16-07
FXAMINER. Initial if reference considered, whether or not citat	ion is in conformance with MPEP 600: Draw line through cits

Sheet 7 of 7

		ATTY. DOCKET NO.	APPLICATION NO.
	SIPE	5914-099-999	10/652,928
LIST OF REFERENCES CITED BY APPL	ICANT' 5	APPLICANT	
(Use several sheets if necessary)	(EED 0 0 2002	Chiaur et al.	·
	FFR (8 7007	FILING DATE	ART UNIT
	The Service of the se	August 28, 2003	1656
	A CHOOL STATE		

*Examiner Initials		Document Number	Date Name of Patentee or Applicant Document Number Mm/dd/yyyy of Cited Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
DUS	C97	REYNARD et al., 2000, "Cks Is Required for GI Cyclin-Cyclin-Dependent Kinase Activity in				
	C98	IkappaBepsilon mediat	ed by the F-bo	thway for the ubiquitination of IkappaBax protein FWD1," J. Biol. Chem. 274(4	0):28169-74	
	C99	Slimb/beta-TrCP," Ger	nes Dev. 13(3):			
	C100	Res. Commun. 256:127-32 TAN et al., 1999, "Recruitment of a ROC1-CUL1 ubiquitin ligase by Skp1 and HOS to catalyze the				
	C101					
C102 WOJCIK et al., 2000, "The SCF ubiquitin ligase prote Drosophila," Curr. Biol. 10:1131-4				uitin ligase protein slimb regulates cent	rosome duplication in	
	C103	Chem, 274(42):29591-	4	s the signal-induced ubiquitination of Ik		
,	C104			dd8 to CUL1 enhances the ability of the Biol. Chem. 275(41):32317-24	ROC1-CUL1 complex to	
7	C105	YEH et al, 2000, "Ubio	quitin-like prot	eins: new wines in new bottles," Gene 2	248:1-14	
1)/5	C106	YU et al., 1998, "Human CUL-1 associates with the SKP1/SKP2 complex and regulates p21(CIP1/WAF1) and cyclin D proteins," Proc. Natl. Acad. Sci. 95:11324-9				

EXAMINER DATE CONSIDERED 4-16-0